## INTERNATIONAL SEARCH REPORT

tional Application No

PCT/US 02/03087 A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61L15/44 A61L17/00 A61L31/16 A61L27/54 A61L29/16 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 A61L Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category \* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X US 5 902 283 A (DAROUICHE RABIH O ET AL) 1 - 3911 May 1999 (1999-05-11) column 5, line 8 - line 25; claims; examples X EP 0 882 461 A (UNITIKA LTD) 1 - 399 December 1998 (1998-12-09) column 5, line 39 column 6, line 18 - line 19; claims; examples P,X US 2001/010016 A1 (MODAK SHANTA ET AL) 1-39 26 July 2001 (2001-07-26) claims & WO 00 57933 A 5 October 2000 (2000-10-05) cited in the application -/--X Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international "X" document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled \*O\* document referring to an oral disclosure, use, exhibition or document published prior to the international filing date but later than the priority date claimed \*8\* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 22 November 2002 04/12/2002 Name and mailing address of the ISA **Authorized officer** 

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## INTERNATIONAL SEARCH REPORT

ir ional Application No PCT/US 02/03087

| C.(Continu | ation) DOCUMENTS CONSIDERED TO BE RELEVANT   | PCT/US 02/03087       |
|------------|--|-----------------------|
| Category * | Cliation of document, with Indication, where appropriate, of the relevant passages   | Relevant to claim No. |
| A          | US 5 707 366 A (BYRON M PARKE ET AL) 13 January 1998 (1998-01-13) claims; examples   | 1-39                  |
| A          | RAAD I: "Intravascular-catheter-related infections" LANCET, XX, XX, vol. 351, no. 9106, 21 March 1998 (1998-03-21), pages 893-898, XP004265298 ISSN: 0140-6736 page 896, line 31 - line 54 | 1-39                  |
| A          | WO 93 17746 A (UNIV TEXAS) 16 September 1993 (1993-09-16) claims; examples 1-4   | 1-39                  |
|            |  | ,                     |
|            |  |                       |
|            |  |                       |
|            |  |                       |
|            |  |                       |
|            | (continuation of second sheet) (July 1992)   |                       |

## INTERNATIONAL SEARCH REPORT nformation on patent family members

Ir Tilonal Application No
PCI/US 02/03087

|  |    |                     |        | 101/03                  | 02/0308/         |
|--|----|---------------------|--------|-------------------------|------------------|
| Patent document cited in search report |    | Publication<br>date |        | Patent family member(s) | Publication date |
| US 5902283                             | A  | 11-05-1999          | US     | 5624704 A               | 29-04-1997       |
| 00 3302203                             | ,, | 11 00 1000          | AU     | 705163 B2               | 20-05-1999       |
|  |    |                     | ΑŬ     | 5575696 A               | 18-11-1996       |
|  |    |                     | CA     | 2219342 A1              | 31-10-1996       |
|  |    |                     | EP     | 0830107 A1              | 25-03-1998       |
|  |    |                     | JP     | 11504241 T              | 20-04-1999       |
|  |    |                     | WO     | 9633670 A1              |                  |
|  |    |                     |        |                         | 31-10-1996       |
| EP 0882461                             | Α  | 09-12-1998          | JP     | 10328293 A              | 15-12-1998       |
|  |    |                     | EP     | 0882461 A2              | 09-12-1998       |
|  |    |                     | US     | 6416546 B1-             | 09-07-2002       |
| US 2001010016                          | A1 | 26-07-2001          | US     | 6224579 B1 -            | 01-05-2001       |
|  |    |                     | AU     | 4062000 A               | 16-10-2000       |
|  |    |                     | EP     | 1165155 A1              | 02-01-2002       |
|  |    |                     | WO     | 0057933 A1              | 05-10-2000       |
| US 5707366                             | A  | 13-01-1998          | US     | 5451424 A               | 19-09-1995       |
|  | •• |                     | US     | 5165952 A -             | 24-11-1992       |
|  |    |                     | US     | 5013306 A -             | 07-05-1991       |
|  |    |                     | US     | 6261271 B1              | 17-07-2001       |
|  |    |                     | AT     | 103497 T                | 15-04-1994       |
|  |    |                     | CA     | 2004366 A1              | 18-07-1990       |
|  |    |                     | DE     | 69007631 D1             | 05-05-1994       |
|  |    |                     | DE     | 69007631 T2             | 25-08-1994       |
|  |    |                     | EP     | 0379269 A2              | 25-07-1990       |
|  |    |                     | ES     | 2054229 T3              | 01-08-1994       |
|  |    |                     | ΙĒ     | 64997 B1                |                  |
|  |    |                     | JP     |                         | 04-10-1995       |
|  |    |                     | JP     | 1993226 C               | 22-11-1995       |
|  |    |                     | JP     | 2234767 A               | 17-09-1990       |
|  |    |                     |        | 5023790 B               | 05-04-1993       |
| ~                                      |    |                     | US<br> | 4999210 A-              | 12-03-1991       |
| WO 9317746                             | Α  | 16-09-1993          | US     | 5217493 A "             | 08-06-1993       |
|  |    |                     | AT     | 201603 T                | 15-06-2001       |
|  |    |                     | AU     | 664263 B2               | 09-11-1995       |
|  |    |                     | AU     | 3792593 A               | 05-10-1993       |
|  |    |                     | CA     | 2130339 A1              | 16-09-1993       |
|  |    |                     | DE     | 69330271 D1             | 05-07-2001       |
|  |    |                     | DE     | 69330271 T2             | 27-09-2001       |
|  |    |                     | DK     | 633795 T3               | 13-08-2001       |
|  |    |                     | EP     | 0633795 A1              | 18-01-1995       |
|  |    |                     | ĒS     | 2159520 T3              | 16-10-2001       |
|  |    |                     | JP     | 2665399 B2              | 22-10-1997       |
|  |    |                     | ĴΡ     | 7501470 T               | 16-02-1995       |
|  |    |                     | 171    |                         |                  |
|  |    |                     | WO     | 9317746 A1              | 16-09-1993       |